

Amendments to the Claims:

This listing of the claims will replace all prior versions and listings of claims in the application:

1.-16. (Cancelled)

17. (Currently amended) In an Open System Interconnection (OSI) model having at least a transport layer, a A method for transferring user datagram protocol (UDP) packets with value-added (UDPV A) packets over a broadband network system from a first broadband interface unit (BIntU) transceiver to a data distribution center, wherein the data distribution center is coupled over a network to a network access point, the method comprising:

supplying function calls to the BIntU transceiver from a personal computer with a computer processor, wherein the personal computer is separate from the BIntU transceiver, and the BIntU transceiver is positioned between the network access point and the personal computer;

generating the UDPV A packets in the BIntU transceiver and transmitting the UDP packets over the network solely at or below the transport layer, the generating and transmitting of the UDPV A packets including:

alternatively encoding, with an encoder, audio or video information, within the BIntU transceiver in order to generate or decoding UDPV A frame information; within an encoder/decoder (eodec), and

temporarily storing the UDP frame information solely at or below the transport layer as a UDP packet within a protocol stack generating the UDPVA packets in response to the UDPVA frame information in a digital signal processor (DSP) portion coupled to the codec, wherein the UDPVA packet is available for delivery to a network destination address or storage located on a local area network or a wide area network;

transmitting the UDP packet directly from the protocol stack to the network access point at, or below, the transport layer;

transmitting the UDP packet from the network access point to the data distribution center at, or below, the transport layer;

transmitting the UDP packet from the data distribution center to a network destination address device at or below the transport layer;

wherein the UDP information output by the encoder travels from the encoder to the stack and from the stack to the network access point solely at, or below, the transport layer and without being processed by the computer processor in the personal computer; and

a means for receiving the UDPVA packet from the BIntU transceiver at a data distribution center, the data distribution center being configured to interface with the BIntU transceiver to indicate indicating, by the data distribution center, that the data distribution center is receiving received information from the BIntU transceiver in response to the received UDPVA packet.

18. (Currently amended) The method of claim 17, wherein the UDPVA packet includes a Java an applet.

19. (Cancelled)

20. (Currently amended) In an Open System Interconnection (OSI) model having at least an application layer and a transport layer, a A broadband network system configured to transfer user datagram protocol (UDP) packets ~~with value added (UDPVA) packet~~ from a broadband interface unit (BIntU) transceiver, the broadband network system comprising:

a network access point;

a data distribution center coupled over a network to the network access point;

a personal computer with a computer processor that supplies function calls to the BIntU transceiver; where the personal computer is separate from the BIntU transceiver, and the BIntU transceiver is positioned between the network access point and the personal computer;

wherein the BIntU transceiver generates packets for transmission over the network solely being configured to generate the UDPVA packets that are transmitted at or below a the transport layer level, and the BIntU transceiver includes including:

an encoder/decoder (codec) configured to alternatively encode or decode audio or video information and alternatively output or receive UDP frame information, and

a digital signal processor (DSP) portion coupled to the codec, wherein the DSP portion temporarily stores the UDP frame information solely at, or below,

the transport layer as a UDPVA packet within a protocol stack, and wherein when said codec functions to encode audio or video information, the UDPVA packet is in a form to be transmitted directly from the codec to the DSP portion, the UDP packet is transmitted directly from the protocol stack of the DSP portion to the network access point at, or below, the transport layer; the UDP packet is transmitted from the network access point to the data distribution center at, or below, the transport layer; and the UDP packet is transmitted from the data distribution center to a network destination address device at or below the transport layer level; wherein the UDP information output by the codec travels from the codec to the stack and from the stack to the network access point solely at, or below, the transport layer and without being processed by the computer processor in the personal computer; and

wherein the data distribution center is configured to receive the UDPVA packet from the BIntU transceiver at or below the transport layer level, and the data distribution center is configured to interface with the BIntU transceiver to indicate when whether the data distribution center is receiving received information from the BIntU transceiver wherein data transmitted between the BIntU transceiver and the data distribution center is maintained at, or below, the transport layer level.

21. (Currently amended) The broadband network system of claim 20, further comprising a second BIntU transceiver, wherein the data distribution control center forwards the UDPVA packet to the second BIntU transceiver, and the second BIntU transceiver generates a return packet that is forwarded via the data distribution center to the BIntU

transceiver that indicates that the second BIntU transceiver has received the UDPVA packet.

22.-29. (Cancelled)